

GenCore version 5.1.4_p5_4578
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OM protein - nucleic search, using frame_plus_p2n model
 Run on: March 15, 2003, 15:07:49 ; Search time 3.1924 Seconds
 (without alignments)

1537.035 Million cell updates/sec

Title: US-08-978-217-12

Perfect score: 84
 Sequence: 1 KNSSGWKEEVLOSRN 16

Scoring table: BLASTM62
 Xgapop 10.0 , Xgapext 0.5
 Ygapop 10.0 , Ygapext 0.5
 Fgapop 6.0 , Fgapext 7.0
 Delop 6.0 , Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724
 Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Command line parameters:
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 -LIST=45 -DOCALL=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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 -WARN TIMEOUT=30 -THREADES=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
 -YGAPOP=10 -YGAPEXT=0.5 -DBLOP=6 -DELEXT=7

Database : Issued Patents_NA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match Length	DB ID	Description
1	84	100.0	1920	1 US-08-746-789A-1
2	46	54.8	11517	1 US-07-920-281C-1
3	46	54.8	11517	4 US-08-465-277-1
4	45	53.6	7492	4 US-09-299-141-5
5	45	53.6	10527	1 US-08-060-9212
6	44	52.4	2763	4 US-09-668-680-8
7	44	52.4	3396	4 US-09-668-680-6
8	44	52.4	4223	4 US-09-668-680-7
9	44	52.4	50000	4 US-09-146-052-4
10	43	51.2	4917	4 US-07-741-452A-57
11	43	51.2	8343	3 US-08-498-944-1
12	42	50.0	694	2 US-08-537-400-15

RESULT 1
 US-08-746-789A-1
 ; Sequence 1, Application US/08746789A
 ; Patent No. 5789200
 ; GENERAL INFORMATION:
 ; APPLICANT: Ismail Kola, Martin J. Tymms, Christine Debouck
 ; TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SmithKline Beecham Corporation
 ; STREET: 709 Swedeland Road, P.O. Box 1539
 ; CITY: King of Prussia
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19406-0939
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
 ; COMPUTER: IBM 486
 ; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
 ; SOFTWARE: MICROSOFT WORD
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08-746-789A
 ; FILING DATE: No. 5789200ember 15, 1996
 ; CLASSIFICATION: 514
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: William T. Han
 ; REGISTRATION NUMBER: 34, 344
 ; REFERENCE/DOCKET NUMBER: ATG 50024
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610 270 5219
 ; TELEFAX: 610 270 4026
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; Sequence 15, Appl

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; LENGTH: 1920
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
; US-08-746-789A-1

; Alignment Scores:
; Pred. No.: 8.68e-06 Length: 1920
; Score: 84.00 Matches: 16
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 1 Indels: 0
; DB: Gaps: 0

; US-08-978-217-12 (1-16) x US-08-746-789A-1 (1-1920)

; QY 1 LYRanserSerGlyTrpLysGluGluValLeuGlnSerArgAsn 16
; US-07-920-281C-1
; Patent No. 5739026

; GENERAL INFORMATION:
; APPLICANT: Garoff, Henrik
; APPLICANT: Liljstrom, Peter
; TITLE OF INVENTION: DNA Expression Systems Based on
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/920,281C
; FILING DATE: 13-AUG-1992
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 828-103P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-241-1300
; TELEFAX: 703-241-2848
; TELEX: 248345

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Semliki Forest Virus
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..11517
; OTHER INFORMATION: /label= genome
; /notes "Semliki Forest Virus complete nucleotide sequence, presented as a cloned DNA sequence; see Figure 5."
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NAME/KEY: - 1.11517
 LOCATION: 1.11517
 OTHER INFORMATION: /label= genome
 /note= "Semliki Forest Virus complete nucleotide
 sequence, presented as a cloned DNA sequence; see
 Figure 5."
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 87..7379 /product= "SFV polyprotein"
 OTHER INFORMATION: /product= "SFV polyprotein"
 NAME/KEY: CDS
 LOCATION: 7431..11179
 OTHER INFORMATION: /product= "SFV polyprotein"
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 ; US-08-466-277-1
 ;
 Alignment Scores:
 Pred. No.: 398 Length: 11517
 Score: 46.00 Matches: 7
 Percent Similarity: 85.71% Conservative: 5
 Best Local Similarity: 50.00% Mismatches: 2
 Query Match: 54.76% Indels: 0
 DB: 4 Gaps: 0
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 US-08-978-217-12 (1-16) x US-08-466-277-1 (1-11517)
 ;
 RESULT 4
 US-09-299-141-5/c
 ; Sequence 5, Application US/09299141
 ; Patent No. 6461606
 ; GENERAL INFORMATION:
 ; APPLICANT: FLOTTE, TERENCE R.
 ; APPLICANT: SONG, STRONG
 ; APPLICANT: BYRNE, BARRY J.
 ; APPLICANT: MORGAN, MICHAEL
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR GENE THERAPY
 ; FILE REFERENCE: 4300 01800
 ; CURRENT APPLICATION NUMBER: US/09/299,141
 ; CURRENT FILING DATE: 1999-04-23
 ; EARLIER APPLICATION NUMBER: 60/083, 025
 ; EARLIER FILING DATE: 1998-04-24
 ; NUMBER OF SEQ ID NOS: 13
 ; SEQ ID NO 5
 ; LENGTH: 7492
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:p43C-AT-IN
 ; US-09-299-141-5
 ;
 Alignment Scores:
 Pred. No.: 359 Length: 7492
 Score: 45.00 Matches: 10
 Percent Similarity: 61.90% Conservative: 3
 Best Local Similarity: 47.62% Mismatches: 2
 Query Match: 53.57% Indels: 6
 DB: 4 Gaps: 1
 ;
 US-08-978-217-12 (1-16) x US-09-299-141-5 (1-7492)
 ;
 RESULT 5
 US-08-060-925A-12/c
 ; Sequence 12, Application US/08060925A
 ; Patent No. 5439824
 ; GENERAL INFORMATION:
 ; APPLICANT: Brantley, Mark
 ; APPLICANT: Laubach, Victor
 ; TITLE OF INVENTION: INCREASED EXPRESSION OF ALPHA-1
 ; ANTI-TRYPSIN IN EXPRESSION VECTORS THROUGH THE INCLUSION OF
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: KNOBKE, MARTENS, OLSON AND BEAR
 ; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
 ; CITY: NEWPORT BEACH
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/060, 925A
 ; FILING DATE: 05-MAY-1993
 ; CLASSIFICATION: 435
 ; TELEPHONE: 619-235-0176
 ; TELEFAX: 619-235-0176
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fuller, Michael L.
 ; REGISTRATION NUMBER: 36,516
 ; REFERENCE/DOCKET NUMBER: NIH040.001A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 619-235-8550
 ; INFORMATION FOR SEQ ID NO: 12:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 10627 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; US-08-060-925A-12
 ;
 Alignment Scores:
 Pred. No.: 544 Length: 10627
 Score: 45.00 Matches: 10
 Percent Similarity: 61.90% Conservative: 3
 Best Local Similarity: 47.62% Mismatches: 2
 Query Match: 53.57% Indels: 6
 DB: 1 Gaps: 1
 ;
 US-08-978-217-12 (1-16) x US-08-060-925A-12 (1-10627)
 ;
 RESULT 6
 US-09-668-680-8/c
 ; Sequence 8, Application US/09668680
 ; Patent No. 6436703
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Asundi, Vinod
 ;
 Qy 2 AsnSerSerglyTrp-----LysGluglugluvalleuGlnSerArg 15
 Db 813 AACAGCTCGGCTGGTGTGCAACCTTACCTTAAAGAATGATGATTACCAAGAGCAA 754
 Qy 16 Asn 16
 Db 753 AAC 751

Alignment Scores:
 Pred. No.: 211
 Score: 44.00
 Percent Similarity: 66.67%
 Best Local Similarity: 53.33%
 Query Match: 52.38%
 DB: 4
 Gaps: 0

Length: 3396
 Matches: 8
 Conservative: 2
 Mismatches: 5
 Indels: 0

APPLICANT: Zhang, Jie
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Xue, Aidong J.
 APPLICANT: Xu, Chongjun
 APPLICANT: Drmanac, Radoje T.
 TITLE OF INVENTION: No. 6436703el Nucleic Acids and
 FILE REFERENCE: 790CIP2A
 CURRENT APPLICATION NUMBER: US/09/668, 680
 CURRENT FILING DATE: 2000-09-22
 PRIOR APPLICATION NUMBER: 09/649, 167
 PRIOR FILING DATE: 2000-08-23
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: pt_FL_genes Version 2.0
 SEQ ID NO 8
 LENGTH: 2763
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 LOCATION: (180)..(1742)

Alignment Scores:
 Pred. No.: 165
 Score: 44.00
 Percent Similarity: 66.67%
 Best Local Similarity: 53.33%
 Query Match: 52.38%
 DB: 4
 Gaps: 0

Length: 2763
 Matches: 8
 Conservative: 2
 Mismatches: 5
 Indels: 0
 Gaps: 0

US-09-668-680-8 (1-2763)

QY 2 AsnSerSerGlyTryptophylGluGluGluValLeuGlnSerArgAsn 16
 Db 1975 TCCAGCTCTGGGTTGGAAGTCTCTCTTGCCAGCTCTAGAAC 1931

RESULT 8
 US-09-668-680-7/c
 Sequence 7, Application US/09668680
 ; Patent No. 6436703

GENERAL INFORMATION:
 APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Chenghua
 APPLICANT: Zhou, Ping
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Xue, Aidong J.
 APPLICANT: Xu, Chongjun
 APPLICANT: Drmanac, Radoje T.
 TITLE OF INVENTION: No. 6436703el Nucleic Acids and
 FILE REFERENCE: 790CIP2A
 CURRENT APPLICATION NUMBER: US/09/668, 680
 CURRENT FILING DATE: 2000-09-22
 PRIOR APPLICATION NUMBER: 09/649, 167
 PRIOR FILING DATE: 2000-08-23
 PRIOR APPLICATION NUMBER: 09/540, 217
 PRIOR FILING DATE: 2000-03-31
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: pt_FL_genes Version 2.0
 SEQ ID NO 7
 LENGTH: 3423
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 LOCATION: (27)..(402)

Alignment Scores:
 Pred. No.: 211
 Score: 44.00
 Percent Similarity: 66.67%
 Best Local Similarity: 53.33%
 Query Match: 52.38%
 DB: 4
 Gaps: 0

Length: 3423
 Matches: 8
 Conservative: 2
 Mismatches: 5
 Indels: 0
 Gaps: 0

US-09-668-680-7 (1-3423)

QY 2 AsnSerSerGlyTryptophylGluGluGluValLeuGlnSerArgAsn 16
 Db 2002 TCCAGCTCTGGGTTGGAAGTCTCTCTTGCCAGCTCTAGAAC 1958

RESULT 9
 US-09-146-053-4/c
 Sequence 4, Application US/09146053A
 ; Patent No. 6399349

GENERAL INFORMATION:
 APPLICANT: Ryan, James W.
 APPLICANT: Sprinkle, Terry Joe Curtis
 APPLICANT: Venema, Richard C.
 TITLE OF INVENTION: Human Aminopeptidase P Gene
 FILE REFERENCE: MCG103

CURRENT APPLICATION NUMBER: US/09/146, 053A

US-09-668-680-6

SEQ ID NO 6
 LENGTH: 3396
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: (27)..(2375)

NAME/KEY: misc_RNA
 LOCATION: 4293..4451
 OTHER INFORMATION: /product= "K2 (6kd protein)"
 FEATURE:
 NAME/KEY: misc_RNA
 LOCATION: 4452..5744
 OTHER INFORMATION: /product= "N1a proteinase"
 NAME/KEY: misc_RNA
 LOCATION: 5745..7307
 OTHER INFORMATION: /product= "N1b replicase"
 FEATURE:
 NAME/KEY: misc_RNA
 LOCATION: 7308..8291
 OTHER INFORMATION: /product= "coat protein"
 US-08-496-944-1

Alignment Scores:
 Prod. No.: 949 Length: 8543
 Score: 43.00 Matches: 7
 Percent Similarity: 56.25% Conservative: 2
 Best Local Similarity: 43.75% Mismatches: 1
 Query Match: 51.19% Indels: 0
 DB: 3 Gaps: 0

US-08-978-217-12 (1-16) x US-08-496-944-1 (1-8543)

Qy 1 LybAnSeSerGlyTrpIysGluGluGluValleuArgAsn 16
 Score: 43.00
 Db 3209 CGUAAUCAAGUGGGUGGCCGAAACAUAGAACAAACACAGGAU 3256

RESULT 12

US-08-537-400-15

Sequence 15 Application US/08537400

GENERAL INFORMATION:
 APPLICANT:
 TITLE OF INVENTION: Cloned DNA Polymerases From Thermotoga
 NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESS: STEINE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 STREET: 1100 New York Avenue, N.W., Suite 600
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/537,400
 FILING DATE: 02-OCT-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/316,423
 FILING DATE: 30-SEP-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/370,190
 FILING DATE: 09-JAN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Esmond, Robert W.
 REFERENCE/DOCKET NUMBER: 32,893
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 694 base pairs
 TYPE: nucleic acid

STRANDEDNESS: double
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 2..694
 US-08-537-400-15

Alignment Scores:
 Prod. No.: 72.4 Length: 694
 Score: 42.00 Matches: 6
 Percent Similarity: 91.67% Conservative: 5
 Best Local Similarity: 50.00% Mismatches: 1
 Query Match: 50.00% Indels: 0
 DB: 2 Gaps: 0

US-08-978-217-12 (1-16) x US-08-537-400-15 (1-694)

Qy 1 LybAnSeSerGlyTrpIysGluGluGluValleu 12
 Score: 43.00
 Db 169 AGAAATGGACGGGTGGAAAGATGGTGAACCTCTC 204

RESULT 13

US-08-706-702-17

Sequence 17 Application US/08706702

GENERAL INFORMATION:
 APPLICANT: Chatterjee, Deb K.
 TITLE OF INVENTION: Cloned DNA Polymerases from Thermotoga
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESS: STEINE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W., Suite 600
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005-3934

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/706,702
 FILING DATE: 06-SEP-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/689,807
 FILING DATE: 14-AUG-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/537,400
 FILING DATE: 02-OCT-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/576,759
 FILING DATE: 21-DEC-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/537,397
 FILING DATE: 02-OCT-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/525,057
 FILING DATE: 08-SEP-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Esmond, Robert W.
 REFERENCE/DOCKET NUMBER: 32,893
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-371-2600
 TELEFAX: 202-371-2540
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 694 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double

TOPOLOGY: both
 MOLECULE TYPE: CDNA
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 2..691
 US-08-706-702-17

Alignment Scores:
 Pred. No.: 72.4
 Score: 42.00
 Percent Similarity: 91.67%
 Best Local Similarity: 50.00%
 Query Match: 2

DB: length: 694
 Gaps: 0
 Matches: 6
 Conservative: 5
 Mismatches: 1
 Indels: 0

RESULT 14
 US-08-706-706-17
 Sequence 17, Application US/08706706
 ; Patent No. 6015668

GENERAL INFORMATION:
 APPLICANT: Hughes, A. John
 APPLICANT: Chatterjee, Deb K.
 TITLE OF INVENTION: Cloned DNA Polymerases from Thermotoga and
 NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
 STREET: 1100 New York Ave., N.W., Suite 600
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005-3934

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/106,706
 FILING DATE: 06-SEP-1996
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/689,807
 FILING DATE: 14-AUG-1996

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/537,400
 FILING DATE: 02-OCT-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/370,190
 FILING DATE: 01-JAN-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/316,423
 FILING DATE: 30-SEP-1994

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/576,759
 FILING DATE: 21-DEC-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/537,397
 FILING DATE: 02-OCT-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/525,057
 FILING DATE: 08-SEP-1995

ATTORNEY/AGENT INFORMATION:
 NAME: Edmund, Robert W.
 REGISTRATION NUMBER: 32,893
 REFERENCE/DOCKET NUMBER: 0942.2800005
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600

TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

INFORMATION FOR SEQ ID NO: 38:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 694 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double

TOPOLOGY: both
 MOLECULE TYPE: CDNA
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 2..691
 US-08-706-706-17

Alignment Scores:
 Pred. No.: 72.4
 Score: 42.00
 Percent Similarity: 91.67%
 Best Local Similarity: 50.00%
 Query Match: 3

DB: length: 694
 Gaps: 0
 Matches: 6
 Conservative: 5
 Mismatches: 1
 Indels: 0

RESULT 15
 US-08-484-661A-38
 Sequence 38, Application US/08484661A
 ; Patent No. 6001645

GENERAL INFORMATION:
 APPLICANT: SLAVER, MICHAEL R.
 APPLICANT: HARTNETT, JAMES R.
 APPLICANT: HUANG, FEN
 APPLICANT: BOICHAKIA, ELENA

TITLE OF INVENTION: MODIFIED THERMOPHILIC DNA POLYMERASES
 TITLE OF INVENTION: FROM THERMOTOGA NEAPOLITANA
 NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:
 ADDRESSEE: MEDLEN & CARROLL
 STREET: 220 MONTGOMERY STREET, SUITE 2200
 CITY: SAN FRANCISCO
 STATE: CALIFORNIA
 COUNTRY: UNITED STATES OF AMERICA
 ZIP: 94104

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/484,661A
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: INGOLIA, DIANE E.
 REGISTRATION NUMBER: 40,027

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 705-8410
 TELEFAX: (415) 337-8338
 INFORMATION FOR SEQ ID NO: 38:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1485 base pairs
 REFERENCE/DOCKET NUMBER: PRMG-01175
 TYPE: nucleic acid
 STRANDEDNESS: double

TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

INFORMATION FOR SEQ ID NO: 38:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1485 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double

TOPOLOGY: both
 MOLECULE TYPE: CDNA
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 1..1482
 US-08-484-661A-38

Alignment scores:
 Pred. No.: 179 Length: 1485
 Score: 42.00 Matches: 6
 percent Similarity: 91.67% Mismatches: 5
 Best Local Similarity: 50.00% Indels: 0
 Query Match: 3 Game: 0

Search completed: March 15, 2003, 23:33:09
Job time : 12.1924 secs